

KAGRA ISC Detection Ports

Port Name	PD Name	Raw signals	Demod. signals	IO channel names	Type	Frequency	Wavelength	DC Power	Description	Reference	
AS RF	AS_f1_HG	AS_f1_HG	AS_f1_HG_I	AS_f1_HG_I	RF PD	16.875MHz	1064nm		High Gain RF PD f1		
			AS_f1_HG_Q	AS_f1_HG_Q	RF PD	16.875MHz	1064nm		High Gain RF PD f1		
	AS_f1_LG	AS_f1_LG	AS_f1_LG_I	AS_f1_LG_I	RF PD	16.875MHz	1064nm		Low Gain RF PD f1		
			AS_f1_LG_Q	AS_f1_LG_Q	RF PD	16.875MHz	1064nm		Low Gain RF PD f1		
	AS_QPD_f1_G1	AS_QPD_f1_G1_Q1	AS_QPD_f1_G1_Q1_I	AS_QPD_f1_G1_Q1_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			AS_QPD_f1_G1_Q1_Q	AS_QPD_f1_G1_Q1_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			AS_QPD_f1_G1_Q2_I	AS_QPD_f1_G1_Q2_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			AS_QPD_f1_G1_Q2_Q	AS_QPD_f1_G1_Q2_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
		AS_QPD_f1_G1_Q3	AS_QPD_f1_G1_Q3_I	AS_QPD_f1_G1_Q3_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			AS_QPD_f1_G1_Q3_Q	AS_QPD_f1_G1_Q3_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			AS_QPD_f1_G1_Q4_I	AS_QPD_f1_G1_Q4_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			AS_QPD_f1_G1_Q4_Q	AS_QPD_f1_G1_Q4_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
	AS_QPD_f1_G2	AS_QPD_f1_G2_Q1	AS_QPD_f1_G2_Q1_I	AS_QPD_f1_G2_Q1_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1		
			AS_QPD_f1_G2_Q1_Q	AS_QPD_f1_G2_Q1_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1		
		AS_QPD_f1_G2_Q2	AS_QPD_f1_G2_Q2_I	AS_QPD_f1_G2_Q2_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1		
			AS_QPD_f1_G2_Q2_Q	AS_QPD_f1_G2_Q2_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1		
AS_QPD_f1_G2_Q3		AS_QPD_f1_G2_Q3_I	AS_QPD_f1_G2_Q3_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
		AS_QPD_f1_G2_Q3_Q	AS_QPD_f1_G2_Q3_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
		AS_QPD_f1_G2_Q4_I	AS_QPD_f1_G2_Q4_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
		AS_QPD_f1_G2_Q4_Q	AS_QPD_f1_G2_Q4_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
OMC	OMCT_PD_HG	OMCT_PD_HG	OMCT_PD_HG	OMCT_PD_HG	DC PD	DC	1064nm		DC PD for OMC Trans. High Gain		
	OMCT_PD_LG	OMCT_PD_LG	OMCT_PD_LG	OMCT_PD_LG	DC PD	DC	1064nm		DC PD for OMC Trans. Low Gain		
	OMC_QPD1	OMC_QPD1_Q1	OMC_QPD1_Q1	OMC_QPD1_Q1	OMC_QPD1_Q1	DC QPD	DC	1064nm		DC QPD1 for OMC Alignment	
		OMC_QPD1_Q2	OMC_QPD1_Q2	OMC_QPD1_Q2	OMC_QPD1_Q2	DC QPD	DC	1064nm		DC QPD1 for OMC Alignment	
		OMC_QPD1_Q3	OMC_QPD1_Q3	OMC_QPD1_Q3	OMC_QPD1_Q3	DC QPD	DC	1064nm		DC QPD1 for OMC Alignment	
		OMC_QPD1_Q4	OMC_QPD1_Q4	OMC_QPD1_Q4	OMC_QPD1_Q4	DC QPD	DC	1064nm		DC QPD1 for OMC Alignment	
	OMC_QPD2	OMC_QPD2_Q1	OMC_QPD2_Q1	OMC_QPD2_Q1	OMC_QPD2_Q1	DC QPD	DC	1064nm		DC QPD2 for OMC Alignment	
		OMC_QPD2_Q2	OMC_QPD2_Q2	OMC_QPD2_Q2	OMC_QPD2_Q2	DC QPD	DC	1064nm		DC QPD2 for OMC Alignment	
		OMC_QPD2_Q3	OMC_QPD2_Q3	OMC_QPD2_Q3	OMC_QPD2_Q3	DC QPD	DC	1064nm		DC QPD2 for OMC Alignment	
		OMC_QPD2_Q4	OMC_QPD2_Q4	OMC_QPD2_Q4	OMC_QPD2_Q4	DC QPD	DC	1064nm		DC QPD2 for OMC Alignment	
	REFL	REFL_f1_HG	REFL_f1_HG	REFL_f1_HG_I	REFL_f1_HG_I	RF PD	16.875MHz	1064nm		High Gain RF PD f1	
				REFL_f1_HG_Q	REFL_f1_HG_Q	RF PD	16.875MHz	1064nm		High Gain RF PD f1	
REFL_f1_LG		REFL_f1_LG	REFL_f1_LG_I	REFL_f1_LG_I	RF PD	16.875MHz	1064nm		Low Gain RF PD f1		
			REFL_f1_LG_Q	REFL_f1_LG_Q	RF PD	16.875MHz	1064nm		Low Gain RF PD f1		
REFL_f2_HG		REFL_f2_HG	REFL_f2_HG_I	REFL_f2_HG_I	RF PD	45MHz	1064nm		High Gain RF PD f2		
			REFL_f2_HG_Q	REFL_f2_HG_Q	RF PD	45MHz	1064nm		High Gain RF PD f2		
REFL_f2_LG		REFL_f2_LG	REFL_f2_LG_I	REFL_f2_LG_I	RF PD	45MHz	1064nm		Low Gain RF PD f2		
			REFL_f2_LG_Q	REFL_f2_LG_Q	RF PD	45MHz	1064nm		Low Gain RF PD f2		
REFL_QPD_f1_G1		REFL_QPD_f1_G1_Q1	REFL_QPD_f1_G1_Q1_I	REFL_QPD_f1_G1_Q1_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			REFL_QPD_f1_G1_Q1_Q	REFL_QPD_f1_G1_Q1_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			REFL_QPD_f1_G1_Q2_I	REFL_QPD_f1_G1_Q2_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			REFL_QPD_f1_G1_Q2_Q	REFL_QPD_f1_G1_Q2_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
		REFL_QPD_f1_G1_Q3	REFL_QPD_f1_G1_Q3_I	REFL_QPD_f1_G1_Q3_I	REFL_QPD_f1_G1_Q3_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1	
			REFL_QPD_f1_G1_Q3_Q	REFL_QPD_f1_G1_Q3_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			REFL_QPD_f1_G1_Q4_I	REFL_QPD_f1_G1_Q4_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
			REFL_QPD_f1_G1_Q4_Q	REFL_QPD_f1_G1_Q4_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 1 f1		
REFL_QPD_f1_G2	REFL_QPD_f1_G2_Q1	REFL_QPD_f1_G2_Q1_I	REFL_QPD_f1_G2_Q1_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
		REFL_QPD_f1_G2_Q1_Q	REFL_QPD_f1_G2_Q1_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
	REFL_QPD_f1_G2_Q2	REFL_QPD_f1_G2_Q2_I	REFL_QPD_f1_G2_Q2_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
		REFL_QPD_f1_G2_Q2_Q	REFL_QPD_f1_G2_Q2_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
	REFL_QPD_f1_G2_Q3	REFL_QPD_f1_G2_Q3_I	REFL_QPD_f1_G2_Q3_I	REFL_QPD_f1_G2_Q3_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1		
		REFL_QPD_f1_G2_Q3_Q	REFL_QPD_f1_G2_Q3_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
		REFL_QPD_f1_G2_Q4_I	REFL_QPD_f1_G2_Q4_I	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
		REFL_QPD_f1_G2_Q4_Q	REFL_QPD_f1_G2_Q4_Q	RF QPD	16.875MHz	1064nm		RF QPD at Gouy Phase 2 f1			
REFL_QPD_f2_G1_Q1	REFL_QPD_f2_G1_Q1_I	REFL_QPD_f2_G1_Q1_I	REFL_QPD_f2_G1_Q1_I	RF QPD	45MHz	1064nm		RF QPD at Gouy Phase 1 f2			
	REFL_QPD_f2_G1_Q1_Q	REFL_QPD_f2_G1_Q1_Q	RF QPD	45MHz	1064nm		RF QPD at Gouy Phase 1 f2				
	REFL_QPD_f2_G1_Q2_I	REFL_QPD_f2_G1_Q2_I	RF QPD	45MHz	1064nm		RF QPD at Gouy Phase 1 f2				
	REFL_QPD_f2_G1_Q2_Q	REFL_QPD_f2_G1_Q2_Q	RF QPD	45MHz	1064nm		RF QPD at Gouy Phase 1 f2				

REFL_QPD_f2_G1	REFL_QPD_f2_G1_Q2	REFL_QPD_f2_G1_Q2_Q	REFL_QPD_f2_G1_Q2_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	REFL_QPD_f2_G1_Q3	REFL_QPD_f2_G1_Q3_I	REFL_QPD_f2_G1_Q3_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
REFL_QPD_f2_G1_Q4	REFL_QPD_f2_G1_Q3_Q	REFL_QPD_f2_G1_Q3_Q	REFL_QPD_f2_G1_Q3_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	REFL_QPD_f2_G1_Q4_I	REFL_QPD_f2_G1_Q4_I	REFL_QPD_f2_G1_Q4_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
REFL_QPD_f2_G2	REFL_QPD_f2_G1_Q4_Q	REFL_QPD_f2_G1_Q4_Q	REFL_QPD_f2_G1_Q4_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	REFL_QPD_f2_G2_Q1_I	REFL_QPD_f2_G2_Q1_I	REFL_QPD_f2_G2_Q1_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	REFL_QPD_f2_G2_Q1_Q	REFL_QPD_f2_G2_Q1_Q	REFL_QPD_f2_G2_Q1_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	REFL_QPD_f2_G2_Q2_I	REFL_QPD_f2_G2_Q2_I	REFL_QPD_f2_G2_Q2_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	REFL_QPD_f2_G2_Q2_Q	REFL_QPD_f2_G2_Q2_Q	REFL_QPD_f2_G2_Q2_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	REFL_QPD_f2_G2_Q3_I	REFL_QPD_f2_G2_Q3_I	REFL_QPD_f2_G2_Q3_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	REFL_QPD_f2_G2_Q3_Q	REFL_QPD_f2_G2_Q3_Q	REFL_QPD_f2_G2_Q3_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	REFL_QPD_f2_G2_Q4_I	REFL_QPD_f2_G2_Q4_I	REFL_QPD_f2_G2_Q4_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
REFL_f1f3	REFL_f1f3	REFL_f1f3_I	REFL_f1f3_I	RF PD	39.375MHz	1064nm	RF PD for non-resonant SB f3 - f1
	REFL_f1f3_Q	REFL_f1f3_Q	REFL_f1f3_Q	RF PD	39.375MHz	1064nm	RF PD for non-resonant SB f3 - f1
REFL_f2f3	REFL_f2f3	REFL_f2f3_I	REFL_f2f3_I	RF PD	11.25MHz	1064nm	RF PD for non-resonant SB f3 - f2
	REFL_f2f3_Q	REFL_f2f3_Q	REFL_f2f3_Q	RF PD	11.25MHz	1064nm	RF PD for non-resonant SB f3 - f2
POP_f1_HG	POP_f1_HG	POP_f1_HG_I	POP_f1_HG_I	RF PD	16.875MHz	1064nm	High Gain RF PD f1
	POP_f1_HG_Q	POP_f1_HG_Q	POP_f1_HG_Q	RF PD	16.875MHz	1064nm	High Gain RF PD f1
POP_f1_LG	POP_f1_LG	POP_f1_LG_I	POP_f1_LG_I	RF PD	16.875MHz	1064nm	Low Gain RF PD f1
	POP_f1_LG_Q	POP_f1_LG_Q	POP_f1_LG_Q	RF PD	16.875MHz	1064nm	Low Gain RF PD f1
POP_f2_HG	POP_f2_HG	POP_f2_HG_I	POP_f2_HG_I	RF PD	45MHz	1064nm	High Gain RF PD f2
	POP_f2_HG_Q	POP_f2_HG_Q	POP_f2_HG_Q	RF PD	45MHz	1064nm	High Gain RF PD f2
POP_f2_LG	POP_f2_LG	POP_f2_LG_I	POP_f2_LG_I	RF PD	45MHz	1064nm	Low Gain RF PD f2
	POP_f2_LG_Q	POP_f2_LG_Q	POP_f2_LG_Q	RF PD	45MHz	1064nm	Low Gain RF PD f2
SPOP1	SPOP1	SPOP1_I	SPOP1_I	RF PD	33.75MHz	1064nm	SB Power in PRC f1
	SPOP1_Q	SPOP1_Q	SPOP1_Q	RF PD	33.75MHz	1064nm	SB Power in PRC f1
SPOP2	SPOP2	SPOP2_I	SPOP2_I	RF PD	90MHz	1064nm	SB Power in PRC f2
	SPOP2_Q	SPOP2_Q	SPOP2_Q	RF PD	90MHz	1064nm	SB Power in PRC f2
POP_QPD_f1_G1	POP_QPD_f1_G1_Q1	POP_QPD_f1_G1_Q1_I	POP_QPD_f1_G1_Q1_I	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 1 f1
	POP_QPD_f1_G1_Q2	POP_QPD_f1_G1_Q2_I	POP_QPD_f1_G1_Q2_I	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 1 f1
	POP_QPD_f1_G1_Q3	POP_QPD_f1_G1_Q3_I	POP_QPD_f1_G1_Q3_I	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 1 f1
	POP_QPD_f1_G1_Q4	POP_QPD_f1_G1_Q4_I	POP_QPD_f1_G1_Q4_I	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 1 f1
	POP_QPD_f1_G1_Q1_Q	POP_QPD_f1_G1_Q1_Q	POP_QPD_f1_G1_Q1_Q	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 1 f1
	POP_QPD_f1_G1_Q2_Q	POP_QPD_f1_G1_Q2_Q	POP_QPD_f1_G1_Q2_Q	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 1 f1
	POP_QPD_f1_G1_Q3_Q	POP_QPD_f1_G1_Q3_Q	POP_QPD_f1_G1_Q3_Q	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 1 f1
	POP_QPD_f1_G1_Q4_Q	POP_QPD_f1_G1_Q4_Q	POP_QPD_f1_G1_Q4_Q	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 1 f1
POP_QPD_f1_G2	POP_QPD_f1_G2_Q1	POP_QPD_f1_G2_Q1_I	POP_QPD_f1_G2_Q1_I	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 2 f1
	POP_QPD_f1_G2_Q2	POP_QPD_f1_G2_Q2_I	POP_QPD_f1_G2_Q2_I	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 2 f1
	POP_QPD_f1_G2_Q3	POP_QPD_f1_G2_Q3_I	POP_QPD_f1_G2_Q3_I	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 2 f1
	POP_QPD_f1_G2_Q4	POP_QPD_f1_G2_Q4_I	POP_QPD_f1_G2_Q4_I	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 2 f1
	POP_QPD_f1_G2_Q1_Q	POP_QPD_f1_G2_Q1_Q	POP_QPD_f1_G2_Q1_Q	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 2 f1
	POP_QPD_f1_G2_Q2_Q	POP_QPD_f1_G2_Q2_Q	POP_QPD_f1_G2_Q2_Q	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 2 f1
	POP_QPD_f1_G2_Q3_Q	POP_QPD_f1_G2_Q3_Q	POP_QPD_f1_G2_Q3_Q	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 2 f1
	POP_QPD_f1_G2_Q4_Q	POP_QPD_f1_G2_Q4_Q	POP_QPD_f1_G2_Q4_Q	RF QPD	16.875MHz	1064nm	RF QPD at Gouy Phase 2 f1
POP_QPD_f2_G1	POP_QPD_f2_G1_Q1	POP_QPD_f2_G1_Q1_I	POP_QPD_f2_G1_Q1_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	POP_QPD_f2_G1_Q2	POP_QPD_f2_G1_Q2_I	POP_QPD_f2_G1_Q2_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	POP_QPD_f2_G1_Q3	POP_QPD_f2_G1_Q3_I	POP_QPD_f2_G1_Q3_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	POP_QPD_f2_G1_Q4	POP_QPD_f2_G1_Q4_I	POP_QPD_f2_G1_Q4_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	POP_QPD_f2_G1_Q1_Q	POP_QPD_f2_G1_Q1_Q	POP_QPD_f2_G1_Q1_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	POP_QPD_f2_G1_Q2_Q	POP_QPD_f2_G1_Q2_Q	POP_QPD_f2_G1_Q2_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	POP_QPD_f2_G1_Q3_Q	POP_QPD_f2_G1_Q3_Q	POP_QPD_f2_G1_Q3_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
	POP_QPD_f2_G1_Q4_Q	POP_QPD_f2_G1_Q4_Q	POP_QPD_f2_G1_Q4_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 1 f2
POP_QPD_f2_G2	POP_QPD_f2_G2_Q1	POP_QPD_f2_G2_Q1_I	POP_QPD_f2_G2_Q1_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	POP_QPD_f2_G2_Q2	POP_QPD_f2_G2_Q2_I	POP_QPD_f2_G2_Q2_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	POP_QPD_f2_G2_Q3	POP_QPD_f2_G2_Q3_I	POP_QPD_f2_G2_Q3_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	POP_QPD_f2_G2_Q4	POP_QPD_f2_G2_Q4_I	POP_QPD_f2_G2_Q4_I	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	POP_QPD_f2_G2_Q1_Q	POP_QPD_f2_G2_Q1_Q	POP_QPD_f2_G2_Q1_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	POP_QPD_f2_G2_Q2_Q	POP_QPD_f2_G2_Q2_Q	POP_QPD_f2_G2_Q2_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	POP_QPD_f2_G2_Q3_Q	POP_QPD_f2_G2_Q3_Q	POP_QPD_f2_G2_Q3_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2
	POP_QPD_f2_G2_Q4_Q	POP_QPD_f2_G2_Q4_Q	POP_QPD_f2_G2_Q4_Q	RF QPD	45MHz	1064nm	RF QPD at Gouy Phase 2 f2

		POP_QPD_f2_G2_Q4	POP_QPD_f2_G2_Q4_Q	POP_QPD_f2_G2_Q4_Q	RF QPD	45MHz	1064nm		RF QPD at Gouy Phase 2 f2	
	POP_GR1	POP_GR1	POP_GR1_I	POP_GR1_I	RF PD	16MHz	532nm		RF PD for Green Lock	
			POP_GR1_Q	POP_GR1_Q	RF PD	16MHz	532nm		RF PD for Green Lock	
POS	SPOS1	SPOS1	SPOS1_I	SPOS1_I	RF PD	33.75MHz	1064nm		SB Power in SRC f1	
			SPOS1_Q	SPOS1_Q	RF PD	33.75MHz	1064nm		SB Power in SRC f1	
	SPOS2	SPOS2	SPOS2_I	SPOS2_I	RF PD	90MHz	1064nm		SB Power in SRC f2	
			SPOS2_Q	SPOS2_Q	RF PD	90MHz	1064nm		SB Power in SRC f2	
	POS_f1	POS_f1	POS_f1_I	POS_f1_I	RF PD	16.875MHz	1064nm		Spare RF AS Port for f1	
			POS_f1_Q	POS_f1_Q	RF PD	16.875MHz	1064nm		Spare RF AS Port for f1	
	POS_GR1	POS_GR1	POS_GR1_I	POS_GR1_I	RF PD	17MHz	532nm		RF PD for Green Lock	
			POS_GR1_Q	POS_GR1_Q	RF PD	17MHz	532nm		RF PD for Green Lock	
POX	POX_f1_HG	POX_f1_HG	POX_f1_HG_I	POX_f1_HG_I	RF PD	16.875MHz	1064nm		High Gain RF PD f1	
			POX_f1_HG_Q	POX_f1_HG_Q	RF PD	16.875MHz	1064nm		High Gain RF PD f1	
	POX_f1_LG	POX_f1_LG	POX_f1_LG_I	POX_f1_LG_I	RF PD	16.875MHz	1064nm		Low Gain RF PD f1	
			POX_f1_LG_Q	POX_f1_LG_Q	RF PD	16.875MHz	1064nm		Low Gain RF PD f1	
	POX_f2_HG	POX_f2_HG	POX_f2_HG_I	POX_f2_HG_I	RF PD	45MHz	1064nm		High Gain RF PD f2	
			POX_f2_HG_Q	POX_f2_HG_Q	RF PD	45MHz	1064nm		High Gain RF PD f2	
	POX_f2_LG	POX_f2_LG	POX_f2_LG_I	POX_f2_LG_I	RF PD	45MHz	1064nm		Low Gain RF PD f2	
			POX_f2_LG_Q	POX_f2_LG_Q	RF PD	45MHz	1064nm		Low Gain RF PD f2	
POY	POY_f1_HG	POY_f1_HG	POY_f1_HG_I	POY_f1_HG_I	RF PD	16.875MHz	1064nm		High Gain RF PD f1	
			POY_f1_HG_Q	POY_f1_HG_Q	RF PD	16.875MHz	1064nm		High Gain RF PD f1	
	POY_f1_LG	POY_f1_LG	POY_f1_LG_I	POY_f1_LG_I	RF PD	16.875MHz	1064nm		Low Gain RF PD f1	
			POY_f1_LG_Q	POY_f1_LG_Q	RF PD	16.875MHz	1064nm		Low Gain RF PD f1	
	POY_f2_HG	POY_f2_HG	POY_f2_HG_I	POY_f2_HG_I	RF PD	45MHz	1064nm		High Gain RF PD f2	
			POY_f2_HG_Q	POY_f2_HG_Q	RF PD	45MHz	1064nm		High Gain RF PD f2	
	POY_f2_LG	POY_f2_LG	POY_f2_LG_I	POY_f2_LG_I	RF PD	45MHz	1064nm		Low Gain RF PD f2	
			POY_f2_LG_Q	POY_f2_LG_Q	RF PD	45MHz	1064nm		Low Gain RF PD f2	
TRX	TRX_QPD1_HG	TRX_QPD1_HG_Q1	TRX_QPD1_HG_Q1	TRX_QPD1_HG_Q1	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor	
		TRX_QPD1_HG_Q2	TRX_QPD1_HG_Q2	TRX_QPD1_HG_Q2	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor	
		TRX_QPD1_HG_Q3	TRX_QPD1_HG_Q3	TRX_QPD1_HG_Q3	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor	
		TRX_QPD1_HG_Q4	TRX_QPD1_HG_Q4	TRX_QPD1_HG_Q4	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor	
	TRX_QPD1_LG	TRX_QPD1_LG_Q1	TRX_QPD1_LG_Q1	TRX_QPD1_LG_Q1	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor	
		TRX_QPD1_LG_Q2	TRX_QPD1_LG_Q2	TRX_QPD1_LG_Q2	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor	
		TRX_QPD1_LG_Q3	TRX_QPD1_LG_Q3	TRX_QPD1_LG_Q3	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor	
		TRX_QPD1_LG_Q4	TRX_QPD1_LG_Q4	TRX_QPD1_LG_Q4	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor	
	TRX_QPD2_HG	TRX_QPD2_HG_Q1	TRX_QPD2_HG_Q1	TRX_QPD2_HG_Q1	DC QPD	DC	1064nm		DC QPD2 for TR Beam Monitor	
		TRX_QPD2_HG_Q2	TRX_QPD2_HG_Q2	TRX_QPD2_HG_Q2	DC QPD	DC	1064nm		DC QPD2 for TR Beam Monitor	
		TRX_QPD2_HG_Q3	TRX_QPD2_HG_Q3	TRX_QPD2_HG_Q3	DC QPD	DC	1064nm		DC QPD2 for TR Beam Monitor	
		TRX_QPD2_HG_Q4	TRX_QPD2_HG_Q4	TRX_QPD2_HG_Q4	DC QPD	DC	1064nm		DC QPD2 for TR Beam Monitor	
	TRX_QPD2_LG	TRX_QPD2_LG_Q1	TRX_QPD2_LG_Q1	TRX_QPD2_LG_Q1	DC QPD	DC	1064nm		DC QPD2 for TR Beam Monitor	
		TRX_QPD2_LG_Q2	TRX_QPD2_LG_Q2	TRX_QPD2_LG_Q2	DC QPD	DC	1064nm		DC QPD2 for TR Beam Monitor	
		TRX_QPD2_LG_Q3	TRX_QPD2_LG_Q3	TRX_QPD2_LG_Q3	DC QPD	DC	1064nm		DC QPD2 for TR Beam Monitor	
		TRX_QPD2_LG_Q4	TRX_QPD2_LG_Q4	TRX_QPD2_LG_Q4	DC QPD	DC	1064nm		DC QPD2 for TR Beam Monitor	
	TRX_QPD1_GR	TRX_QPD1_GR_Q1	TRX_QPD1_GR_Q1	TRX_QPD1_GR_Q1	DC QPD	DC	532nm		DC QPD1 for Green	
		TRX_QPD1_GR_Q2	TRX_QPD1_GR_Q2	TRX_QPD1_GR_Q2	DC QPD	DC	532nm		DC QPD1 for Green	
		TRX_QPD1_GR_Q3	TRX_QPD1_GR_Q3	TRX_QPD1_GR_Q3	DC QPD	DC	532nm		DC QPD1 for Green	
		TRX_QPD1_GR_Q4	TRX_QPD1_GR_Q4	TRX_QPD1_GR_Q4	DC QPD	DC	532nm		DC QPD1 for Green	
TRX_QPD2_GR	TRX_QPD2_GR_Q1	TRX_QPD2_GR_Q1	TRX_QPD2_GR_Q1	DC QPD	DC	532nm		DC QPD2 for Green		
	TRX_QPD2_GR_Q2	TRX_QPD2_GR_Q2	TRX_QPD2_GR_Q2	DC QPD	DC	532nm		DC QPD2 for Green		
	TRX_QPD2_GR_Q3	TRX_QPD2_GR_Q3	TRX_QPD2_GR_Q3	DC QPD	DC	532nm		DC QPD2 for Green		
	TRX_QPD2_GR_Q4	TRX_QPD2_GR_Q4	TRX_QPD2_GR_Q4	DC QPD	DC	532nm		DC QPD2 for Green		
TRY_QPD1_HG	TRY_QPD1_HG_Q1	TRY_QPD1_HG_Q1	TRY_QPD1_HG_Q1	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor		
	TRY_QPD1_HG_Q2	TRY_QPD1_HG_Q2	TRY_QPD1_HG_Q2	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor		
	TRY_QPD1_HG_Q3	TRY_QPD1_HG_Q3	TRY_QPD1_HG_Q3	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor		
	TRY_QPD1_HG_Q4	TRY_QPD1_HG_Q4	TRY_QPD1_HG_Q4	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor		
TRY_QPD1_LG	TRY_QPD1_LG_Q1	TRY_QPD1_LG_Q1	TRY_QPD1_LG_Q1	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor		
	TRY_QPD1_LG_Q2	TRY_QPD1_LG_Q2	TRY_QPD1_LG_Q2	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor		
	TRY_QPD1_LG_Q3	TRY_QPD1_LG_Q3	TRY_QPD1_LG_Q3	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor		
	TRY_QPD1_LG_Q4	TRY_QPD1_LG_Q4	TRY_QPD1_LG_Q4	DC QPD	DC	1064nm		DC QPD1 for TR Beam Monitor		
		TRY_QPD2_HG_Q1	TRY_QPD2_HG_Q1	DC QPD	DC	1064nm		DC QPD2 for TR Beam Monitor		

TRY	TRY_QPD2_HG	TRY_QPD2_HG_Q2	TRY_QPD2_HG_Q2	TRY_QPD2_HG_Q2	DC QPD	DC	1064nm	DC QPD2 for TR Beam Monitor
		TRY_QPD2_HG_Q3	TRY_QPD2_HG_Q3	TRY_QPD2_HG_Q3	DC QPD	DC	1064nm	DC QPD2 for TR Beam Monitor
		TRY_QPD2_HG_Q4	TRY_QPD2_HG_Q4	TRY_QPD2_HG_Q4	DC QPD	DC	1064nm	DC QPD2 for TR Beam Monitor
		TRY_QPD2_LG_Q1	TRY_QPD2_LG_Q1	TRY_QPD2_LG_Q1	DC QPD	DC	1064nm	DC QPD2 for TR Beam Monitor
	TRY_QPD2_LG	TRY_QPD2_LG_Q2	TRY_QPD2_LG_Q2	TRY_QPD2_LG_Q2	DC QPD	DC	1064nm	DC QPD2 for TR Beam Monitor
		TRY_QPD2_LG_Q3	TRY_QPD2_LG_Q3	TRY_QPD2_LG_Q3	DC QPD	DC	1064nm	DC QPD2 for TR Beam Monitor
		TRY_QPD2_LG_Q4	TRY_QPD2_LG_Q4	TRY_QPD2_LG_Q4	DC QPD	DC	1064nm	DC QPD2 for TR Beam Monitor
		TRY_QPD1_GR_Q1	TRY_QPD1_GR_Q1	TRY_QPD1_GR_Q1	DC QPD	DC	532nm	DC QPD1 for Green
	TRY_QPD1_GR	TRY_QPD1_GR_Q2	TRY_QPD1_GR_Q2	TRY_QPD1_GR_Q2	DC QPD	DC	532nm	DC QPD1 for Green
		TRY_QPD1_GR_Q3	TRY_QPD1_GR_Q3	TRY_QPD1_GR_Q3	DC QPD	DC	532nm	DC QPD1 for Green
		TRY_QPD1_GR_Q4	TRY_QPD1_GR_Q4	TRY_QPD1_GR_Q4	DC QPD	DC	532nm	DC QPD1 for Green
		TRY_QPD2_GR_Q1	TRY_QPD2_GR_Q1	TRY_QPD2_GR_Q1	DC QPD	DC	532nm	DC QPD2 for Green
	TRY_QPD2_GR	TRY_QPD2_GR_Q2	TRY_QPD2_GR_Q2	TRY_QPD2_GR_Q2	DC QPD	DC	532nm	DC QPD2 for Green
		TRY_QPD2_GR_Q3	TRY_QPD2_GR_Q3	TRY_QPD2_GR_Q3	DC QPD	DC	532nm	DC QPD2 for Green
		TRY_QPD2_GR_Q4	TRY_QPD2_GR_Q4	TRY_QPD2_GR_Q4	DC QPD	DC	532nm	DC QPD2 for Green
		MCT	MCT_QPD_HG	MCT_QPD_HG_Q1	MCT_QPD_HG_Q1	MCT_QPD_HG_Q1	DC QPD	DC
MCT_QPD_HG_Q2	MCT_QPD_HG_Q2			MCT_QPD_HG_Q2	DC QPD	DC	1064nm	DC QPD for MCT
MCT_QPD_HG_Q3	MCT_QPD_HG_Q3			MCT_QPD_HG_Q3	DC QPD	DC	1064nm	DC QPD for MCT
MCT_QPD_HG_Q4	MCT_QPD_HG_Q4			MCT_QPD_HG_Q4	DC QPD	DC	1064nm	DC QPD for MCT
MCT_QPD_LG	MCT_QPD_LG_Q1		MCT_QPD_LG_Q1	MCT_QPD_LG_Q1	DC QPD	DC	1064nm	DC QPD for MCT
	MCT_QPD_LG_Q2		MCT_QPD_LG_Q2	MCT_QPD_LG_Q2	DC QPD	DC	1064nm	DC QPD for MCT
	MCT_QPD_LG_Q3		MCT_QPD_LG_Q3	MCT_QPD_LG_Q3	DC QPD	DC	1064nm	DC QPD for MCT
	MCT_QPD_LG_Q4		MCT_QPD_LG_Q4	MCT_QPD_LG_Q4	DC QPD	DC	1064nm	DC QPD for MCT
MCT_PD1_HG	MCT_PD1_HG		MCT_PD1_HG	DC PD	DC	1064nm	DC PD for MC Trans. High Gain	
MCT_PD1_LG	MCT_PD1_LG		MCT_PD1_LG	DC PD	DC	1064nm	DC PD for MC Trans. Low Gain	
MCR	MCR_PD_HG	MCR_PD_HG	MCR_PD_HG_I	MCR_PD_HG_I	RF PD	15MHz	1064nm	RF PD for MC lock
		MCR_PD_HG_Q	MCR_PD_HG_Q	MCR_PD_HG_Q	RF PD	15MHz	1064nm	RF PD for MC lock
	MCR_PD_LG	MCR_PD_LG	MCR_PD_LG_I	MCR_PD_LG_I	RF PD	15MHz	1064nm	RF PD for MC lock
		MCR_PD_LG_Q	MCR_PD_LG_Q	MCR_PD_LG_Q	RF PD	15MHz	1064nm	RF PD for MC lock
	MCR_QPD_G1	MCR_QPD_G1_Q1	MCR_QPD_G1_Q1_I	MCR_QPD_G1_Q1_I	RF QPD	15MHz	1064nm	RF QPD for MC WFS
			MCR_QPD_G1_Q1_Q	MCR_QPD_G1_Q1_Q	RF QPD	15MHz	1064nm	RF QPD for MC WFS
		MCR_QPD_G1_Q2	MCR_QPD_G1_Q2_I	MCR_QPD_G1_Q2_I	RF QPD	15MHz	1064nm	RF QPD for MC WFS
			MCR_QPD_G1_Q2_Q	MCR_QPD_G1_Q2_Q	RF QPD	15MHz	1064nm	RF QPD for MC WFS
		MCR_QPD_G1_Q3	MCR_QPD_G1_Q3_I	MCR_QPD_G1_Q3_I	RF QPD	15MHz	1064nm	RF QPD for MC WFS
			MCR_QPD_G1_Q3_Q	MCR_QPD_G1_Q3_Q	RF QPD	15MHz	1064nm	RF QPD for MC WFS
		MCR_QPD_G1_Q4	MCR_QPD_G1_Q4_I	MCR_QPD_G1_Q4_I	RF QPD	15MHz	1064nm	RF QPD for MC WFS
			MCR_QPD_G1_Q4_Q	MCR_QPD_G1_Q4_Q	RF QPD	15MHz	1064nm	RF QPD for MC WFS
	MCR_QPD_G2	MCR_QPD_G2_Q1	MCR_QPD_G2_Q1_I	MCR_QPD_G2_Q1_I	RF QPD	15MHz	1064nm	RF QPD for MC WFS
			MCR_QPD_G2_Q1_Q	MCR_QPD_G2_Q1_Q	RF QPD	15MHz	1064nm	RF QPD for MC WFS
		MCR_QPD_G2_Q2	MCR_QPD_G2_Q2_I	MCR_QPD_G2_Q2_I	RF QPD	15MHz	1064nm	RF QPD for MC WFS
			MCR_QPD_G2_Q2_Q	MCR_QPD_G2_Q2_Q	RF QPD	15MHz	1064nm	RF QPD for MC WFS
		MCR_QPD_G2_Q3	MCR_QPD_G2_Q3_I	MCR_QPD_G2_Q3_I	RF QPD	15MHz	1064nm	RF QPD for MC WFS
			MCR_QPD_G2_Q3_Q	MCR_QPD_G2_Q3_Q	RF QPD	15MHz	1064nm	RF QPD for MC WFS
		MCR_QPD_G2_Q4	MCR_QPD_G2_Q4_I	MCR_QPD_G2_Q4_I	RF QPD	15MHz	1064nm	RF QPD for MC WFS
			MCR_QPD_G2_Q4_Q	MCR_QPD_G2_Q4_Q	RF QPD	15MHz	1064nm	RF QPD for MC WFS
IMMTT	IMMTT_DCPD_HG	IMMTT_DCPD_HG	IMMTT_DCPD_HG	DC PD	DC	1064nm	DC PD for Intensity Stabilization	
	IMMTT_DCPD_LG	IMMTT_DCPD_LG	IMMTT_DCPD_LG	DC PD	DC	1064nm	DC PD for Intensity Stabilization	
	IMMTT_f1	IMMTT_f1	IMMTT_f1_I	IMMTT_f1_I	RF PD	16.875MHz	1064nm	RF PD for RFAM Monitor
			IMMTT_f1_Q	IMMTT_f1_Q	RF PD	16.875MHz	1064nm	RF PD for RFAM Monitor
	IMMTT_f2	IMMTT_f2	IMMTT_f2_I	IMMTT_f2_I	RF PD	45MHz	1064nm	RF PD for RFAM Monitor
			IMMTT_f2_Q	IMMTT_f2_Q	RF PD	45MHz	1064nm	RF PD for RFAM Monitor
	IMMTT_QPD1	IMMTT_QPD1	IMMTT_QPD1_Q1	IMMTT_QPD1_Q1	DC QPD	DC	1064nm	DC QPD1 for beam monitor
			IMMTT_QPD1_Q2	IMMTT_QPD1_Q2	DC QPD	DC	1064nm	DC QPD1 for beam monitor
			IMMTT_QPD1_Q3	IMMTT_QPD1_Q3	DC QPD	DC	1064nm	DC QPD1 for beam monitor
			IMMTT_QPD1_Q4	IMMTT_QPD1_Q4	DC QPD	DC	1064nm	DC QPD1 for beam monitor
	IMMTT_QPD2	IMMTT_QPD2	IMMTT_QPD2_Q1	IMMTT_QPD2_Q1	DC QPD	DC	1064nm	DC QPD2 for beam monitor
			IMMTT_QPD2_Q2	IMMTT_QPD2_Q2	DC QPD	DC	1064nm	DC QPD2 for beam monitor
IMMTT_QPD2_Q3			IMMTT_QPD2_Q3	DC QPD	DC	1064nm	DC QPD2 for beam monitor	
IMMTT_QPD2_Q4			IMMTT_QPD2_Q4	DC QPD	DC	1064nm	DC QPD2 for beam monitor	
REFCAV_BEEL	REFCAV_BEEL_PD1	REFCAV_BEEL_PD1	REFCAV_REFL_PD1_I	REFCAV_REFL_PD1_I	RF PD	24MHz	1064nm	Reference Cavity PDH

REFCAV_REFL	REFCAV_REFL_PD1	REFCAV_REFL_PD1	REFCAV_REFL_PD1_Q	REFCAV_REFL_PD1_Q	RF PD	24MHz	1064nm	Reference Cavity PDH
REFCAV_TR	REFCAV_TR_PD1	REFCAV_TR_PD1	REFCAV_TR_PD1	REFCAV_TR_PD1	DC PD	DC	1064nm	Reference Cavity Trans.
PMC_REFL	PMC_REFL_PD1	PMC_REFL_PD1	PMC_REFL_PD1_I	PMC_REFL_PD1_I	RF PD	19MHz	1064nm	PMC PDH
PMC_TR	PMC_TR_PD1	PMC_TR_PD1	PMC_REFL_PD1_Q	PMC_REFL_PD1_Q	RF PD	19MHz	1064nm	PMC PDH
			PMC_TR_PD1	PMC_TR_PD1	DC PD	DC	1064nm	PMC Trans.
BENCH_OUT	BENCH_OUT_QPD1	BENCH_OUT_QPD1_Q1	BENCH_OUT_QPD1_Q1	BENCH_OUT_QPD1_Q1	DC QPD	DC	1064nm	QPD for monitor the beam pointing at the output of injection bench
		BENCH_OUT_QPD1_Q2	BENCH_OUT_QPD1_Q2	BENCH_OUT_QPD1_Q2	DC QPD	DC	1064nm	QPD for monitor the beam pointing at the output of injection bench
		BENCH_OUT_QPD1_Q3	BENCH_OUT_QPD1_Q3	BENCH_OUT_QPD1_Q3	DC QPD	DC	1064nm	QPD for monitor the beam pointing at the output of injection bench
		BENCH_OUT_QPD1_Q4	BENCH_OUT_QPD1_Q4	BENCH_OUT_QPD1_Q4	DC QPD	DC	1064nm	QPD for monitor the beam pointing at the output of injection bench
	BENCH_OUT_QPD2	BENCH_OUT_QPD2_Q1	BENCH_OUT_QPD2_Q1	BENCH_OUT_QPD2_Q1	DC QPD	DC	1064nm	To monitor the beam position at the output of injection bench
		BENCH_OUT_QPD2_Q2	BENCH_OUT_QPD2_Q2	BENCH_OUT_QPD2_Q2	DC QPD	DC	1064nm	To monitor the beam position at the output of injection bench
		BENCH_OUT_QPD2_Q3	BENCH_OUT_QPD2_Q3	BENCH_OUT_QPD2_Q3	DC QPD	DC	1064nm	To monitor the beam position at the output of injection bench
		BENCH_OUT_QPD2_Q4	BENCH_OUT_QPD2_Q4	BENCH_OUT_QPD2_Q4	DC QPD	DC	1064nm	To monitor the beam position at the output of injection bench

Statistics

Number of PDs				
PD Type	Frequency	Wavelength	Qty.	Sub Total
RF PD	16.875MHz	1064nm	12	31
RF PD	45MHz	1064nm	9	
RF PD	39.375MHz	1064nm	1	
RF PD	11.25MHz	1064nm	1	
RF PD	33.75MHz	1064nm	2	
RF PD	90MHz	1064nm	2	
RF PD	15MHz	1064nm	2	
RF PD	24MHz	1064nm	1	
RF PD	19MHz	1064nm	1	
RF PD	16MHz	532nm	1	
RF PD	17MHz	532nm	1	2
RF QPD	15MHz	1064nm	2	12
RF QPD	16.875MHz	1064nm	6	
RF QPD	45MHz	1064nm	4	
DC PD	DC	1064nm	8	8
DC QPD	DC	1064nm	16	16
DC QPD	DC	532nm	4	4
			Total	73

I-Q Demodulators		
Type	Frequency	Qty.
Dual	16.875MHz	12
Dual	45MHz	9
Dual	39.375MHz	1
Dual	11.25MHz	1
Dual	33.75MHz	2
Dual	90MHz	2
Dual	15MHz	2
Dual	24MHz	1
Dual	19MHz	1
Dual	16MHz	1
Dual	17MHz	1
Quad	16.875MHz	6
Quad	45MHz	4
Quad	39.375MHz	0
Quad	11.25MHz	0
Quad	33.75MHz	0
Quad	90MHz	0
Quad	15MHz	2
Quad	24MHz	0
Quad	19MHz	0
Quad	16MHz	0
Quad	17MHz	0
Total		45

Number of Whitening Filter Channels	250
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Parameters	
f1 Frequency	16.875MHz
f2 Frequency	45MHz
f3 Frequency	56.25MHz
f3 -f1	39.375MHz
f3 - f2	11.25MHz
f1 x 2	33.75MHz
f2 x 2	90MHz
Green X RFSB Freq.	16MHz
Green Y RFSB Freq.	17MHz
MC RFSB Frequency	15MHz
Ref. Cav. RFSB Freq.	24MHz
PMC RFSB Freq.	19MHz